

AMENDMENTS TO THE CLAIMS

Please replace all previous versions of the claims with the following listing:

1. (Currently Amended) A cylinder head ~~comprising:having a~~
at least two ports, including at least one intake port and at least one exhaust port;
at least one fuel injection nozzle; and
at least one cooling water pipe having a plurality of outlet openingsinside;
wherein the cylinder head at least partially defines a water jacket at least partially surrounding the at least two ports and the at least one fuel injection nozzle, and the at least one cooling water pipe is arranged inside the water jacket such thatinserted and has the plurality of outlet openings are respectively placed in a position around the at least one [[a]] fuel injection nozzle and in a position between at least two of the at least two ports.
2. (Currently Amended) The cylinder head as defined in claim 1, wherein the cooling water pipe extends from an inlet opening to the plurality of outlet openingopenings without passing through a valve seat.
3. (Original) The cylinder head as defined in claim 1, wherein the cooling water pipe is made of aluminum.
4. (Currently Amended) The cylinder head as defined in claim 3, wherein material of the cylinder head is an aluminum alloy.
5. (Currently Amended) The cylinder head as defined in claim 1, wherein the cylinder head has only one cooling water pipe per cylinder.
6. (Previously Presented) The cylinder head as defined in claim 5, wherein the cooling water pipe comprises one section extending from one side of the cylinder

head to a position near the fuel injection nozzle, and another section extending from another side of the cylinder head to a position near the fuel injection nozzle,

the one section has one inlet opening for introducing cooling water at its end located in the one side of the cylinder head, and has one first outlet opening for discharging the cooling water to the position around the fuel injection nozzle and one second outlet opening for discharging the cooling water to the position between the ports at its end located near the fuel injection nozzle, and

the another section has another inlet opening for introducing the cooling water at its end located in the another side of the cylinder head, and has another first outlet opening for discharging the cooling water to the position around the fuel injection nozzle and another second outlet opening for discharging the cooling water to the position between the ports at its end located near the fuel injection nozzle.

7. (Currently Amended) The cylinder head as defined in claim 6, wherein the one second outlet opening and the another second outlet opening are formed as one, integral opening~~integrally formed with each other~~, and the one first outlet opening and the another first outlet opening are formed as separate openings~~separately formed from each other~~.

8. (Currently Amended) The cylinder head as defined in claim 6, wherein four ports are provided per cylinder and are arranged such that each of the ports is in each corner of a square, the fuel injection nozzle is placed in an approximate middle position of the four ports, the one section of the cooling water pipe is placed between two ports among the four ports, and the another section of the cooling water pipe is placed between another two ports among the four ports.

9. (Currently Amended) The cylinder head as defined in claim 6, wherein the ends of the one section and the another section of the water cooling pipe which are located near the fuel injection nozzle are formed such that ~~[[they]]~~the ends generally ~~surround~~surround the fuel injection nozzle.

10. (Currently Amended) A cylinder head comprising:

four ports arranged such that each of the ports is in each corner of a square;

[[a]]at least one fuel injection nozzle placed in an approximate middle position of the four ports; and

[[a]]at least one cooling water pipe having a plurality of outlet openings respectively placed in a position around a fuel injection nozzle and in a position between the ports:

wherein the cylinder head at least partially defines a water jacket at least partially surrounding the four ports and the at least one fuel injection nozzle, and the at least one cooling water pipe is arranged inside the water jacket and the cooling water pipe comprises one section extending from one side of the cylinder head to a position near the fuel injection nozzle through a position between two ports among the four ports, and another section extending from another side of the cylinder head to a position near the fuel injection nozzle through a position between another two ports among the four ports,

the one section has one inlet opening for introducing cooling water at its end located in the one side of the cylinder head, and has one first outlet opening for discharging the cooling water to the position around the fuel injection nozzle and one second outlet opening for discharging the cooling water to the position between the ports at its end located near the fuel injection nozzle, and

the another section has another inlet opening for introducing the cooling water at its end located in the another side of the cylinder head, and has another first outlet opening for discharging the cooling water to the position around the fuel injection nozzle and another second outlet opening for discharging the cooling water to the position between the ports at its end located near the fuel injection nozzle.

11. (Currently Amended) The cylinder head as defined in claim 10, wherein the one second outlet opening and the another second outlet opening are formed as one, integral opening~~integrally formed with each other~~, and the one first outlet

opening and the another first outlet opening are formed as separate openings~~separately formed from each other~~.

12. (Currently Amended) The cylinder head as defined in claim 11, wherein the ends of the one section and the another section of the water cooling pipe which are located near the fuel injection nozzle are formed such that ~~[[they]]~~the ends generally ~~surrounds~~surround the fuel injection nozzle.

13. (Currently Amended) The cylinder head as defined in claim 12, wherein a position of the one inlet opening of the one section and a position of the another inlet opening of the another section ~~[[are]]~~ differ from each other in a longitudinal direction of the cylinder head.

14. (New) The cylinder head of claim 1, wherein the at least one cooling water pipe inside the water jacket is integral with the cylinder head.

15. (New) The cylinder head of claim 10, wherein the at least one cooling water pipe inside the water jacket is integral with the cylinder head.